

Substitute for for	m 1449A/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	101729477		
			Filing Date	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
			First Named Inventor	Kwang-Hyun Shim		
	s many sheets as necess		Art Unit			
(129.9	s many sheets as necess	u, y,	Examiner Name			
Sheet	of		Attorney Docket Number	51876P434		

			U.S. PATE	ENT DOCUMENTS	
Examiner Initials*	Cite No.'	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
		US-			·
		US-			
		US-			·
		US-			
		US-			
		US-		·	
		US-			
		US-			
		US-		•	
		US-			
		US-			

	FOREIGN PATENT DOCUMENTS							
Examiner	Cite	Foreign Patent Document	0.45-4-0-4		Pages, Columns, Lines,	70		
tnitiats*	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>6</sup> (if known)	Publication Date MM-DD-YYYY	Name of Petentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	1,		
/DJP/	4	2002-25147	04-03-2002	Hanasoft Co., Ltd.				
	$\vdash$			, , , , , , , , , , , , , , , , , , , ,		<u> </u>		
					· · · - · · · · · · · · · · · · · · · ·			
						├		
	<b></b>				·	<del>                                     </del>		
						,		
	1							

Examiner Signature	/Damon Pierce/	Date Considered	09/05/2007	

"Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>4</sup>And of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>4</sup>Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wtr) 08/11/2003.

Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

mes 12/5/03

Substitute for form 144	PA/PTO	Complete if Known			
		Application Number	10/729477		
INFORMATI	ON DISCLOSURE	Filing Date	1 1 1 1		
STATEMENT	T BY APPLICANT	First Named Inventor	Kwang-Hyun Shim		
(use as many sheets as		Art Unit	1		
(use as many sneets as necessary)		Examiner Name			
Sheet	of	Attorney Docket Number	51876P434		

,		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.'	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the lizm (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
/DJP/	-	"Distributed Systems Support For Networked Games, T. Chiueh, 1997 IEEE, pgs 99-104	
/DJP/		"A Network Architecture for Multiuser Networked Games on Demand", R. Bangun, et al, 1997 IEEE, pgs 1815-1819	

Examiner	/Damon Pierce/	Date
Signature	/Balliott letec/	Considered 09/05/2007

<sup>&</sup>quot;Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Based on PTC/SB/08B (08-03) as modified by Blakely, Solokoff, Teylor & Zefman (wtr) 08/11/2003. Send To: Commissioner for Patants, P.O. Box 1450, Alexandria, VA 22313-1450

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

ÎPA	/	6	T	P	E	6)
C Kill		OCT	0	1	2004	<b>1</b>
1 20 K Substitute for form 14490/	El.	1				77

v.t

MOEND

NFORMATION DESCRIPTION OF STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of

· Complete if Known				
Application Number	10/729,477			
Filing Date	December 5, 2003			
First Named Inventor	Kwang-Hyun Shim			
Art Unit				
Examiner Name				
Attorney Docket Number	51876P434			

			U.S. PATEN	T DOCUMENTS	
Examiner Initials*	Cite No.'	Document Number  Number - Kind Code <sup>2</sup> (if known)	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pagas, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	$\sum$	US-			
		US-			
		US			
		US-			
		US-		* 15	
		US-			7
		US-			

		FOI	REIGN PATE	IT DOCUMENTS		
Examiner	Cite	Foreign Patent Document	D. A.Francis and Date		Peges, Columns, Lines,	To
Examiner Initials*	No.'	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Peges, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
/DJP	<u> </u>	2001-0017642	03-05-2001	Information and Communications University  Educational Foundation		<u> </u>
<del> </del>			<del>-</del>			
						丄
						<u> </u>
					<u> </u>	├
ļ						$\vdash$
	_					
			·			1

Examiner Signature	/Damon Pierce/	Date Considered	09/05/2007

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

'Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. <sup>3</sup>Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. \*Visind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wtr) 08/11/2003.



Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/729,477
		Filing Date	December 5, 2003
		First Named Inventor	Kwang-Hyun Shim
		Art Unit	
		Examiner Name	
Sheet	of	Attorney Docket Number	51876P434

	NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, calalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
/DJP/		"On-Line 3D Game", Kim, Hyen bin, May 8, 2002, The Institute of Computer Software Dept. of Virtual Reality", 8 pages				
	•					

Examiner	/Damon Pierce/	Date 09/05/2007	
Signature	7 Balliott Toroct	Considered 09/03/2007	

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Based on PTO/SB/08B (08-03) as modified by Blakely, Solokoff, Taylor & Zefman (wir) 08/11/2003. Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English tanguage Translation is attached.